RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _____ 10/559,157 _____
Source: _____ JFWP _____
Date Processed by STIC: _____ 12/16/2005 _____

ENTERED

IFWP

RAW SEQUENCE LISTING   DATE: 12/16/2005
PATENT APPLICATION: US/10/559,157   TIME: 15:49:00

Input Set : **A:\43072-0002PC.TXT**
Output Set: **N:\CRF4\12162005\J559157.raw**

```
 4 <110> APPLICANT: ExSAR Corporation
 5        Mark Robert Southern
 6        Yoshitomo Hamuro
 7        Patrick Robert Griffin
10 <120> TITLE OF INVENTION: Drug Candidate Selection by Hydrogen
11        Exchange Characterization of Ligand-Induced Receptor
12        Conformation
14 <130> FILE REFERENCE: 43072-0002 PC
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C--> 16 **<140> CURRENT APPLICATION NUMBER: US/10/559,157**
C--> 16 **<141> CURRENT FILING DATE: 2005-12-05**
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16 <160> NUMBER OF SEQ ID NOS: 2
18 <170> SOFTWARE: FastSEQ for Windows Version 4.0
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 266
22 <212> TYPE: PRT
23 <213> ORGANISM: Artificial Sequence
25 <220> FEATURE:
26 <223> OTHER INFORMATION: Homo sapiens PPAR gamma ligand binding domain
28 <400> SEQUENCE: 1
29 Arg Ala Leu Ala Lys His Leu Tyr Asp Ser Tyr Ile Lys Ser Phe Pro
30   1           5                  10              15
31 Leu Thr Lys Ala Lys Ala Arg Ala Ile Leu Thr Gly Lys Thr Thr Asp
32             20                  25              30
33 Lys Ser Pro Phe Val Ile Tyr Asp Met Asn Ser Leu Met Met Gly Glu
34         35                  40                  45
35 Asp Lys Ile Lys Phe Lys His Ile Thr Pro Leu Gln Glu Gln Ser Lys
36     50                  55                  60
37 Glu Val Ala Ile Arg Ile Phe Gln Gly Cys Gln Phe Arg Ser Val Glu
38 65                  70                  75                  80
39 Ala Val Gln Glu Ile Thr Glu Tyr Ala Lys Ser Ile Pro Gly Phe Val
40                 85                  90                  95
41 Asn Leu Asp Leu Asn Asp Gln Val Thr Leu Leu Lys Tyr Gly Val His
42             100                 105                 110
43 Glu Ile Ile Tyr Thr Met Leu Ala Ser Leu Met Asn Lys Asp Gly Val
44         115                 120                 125
45 Leu Ile Ser Glu Gly Gln Gly Phe Met Thr Arg Glu Phe Leu Lys Ser
46     130                 135                 140
47 Leu Arg Lys Pro Phe Gly Asp Phe Met Glu Pro Lys Phe Glu Phe Ala
48 145                 150                 155                 160
49 Val Lys Phe Asn Ala Leu Glu Leu Asp Asp Ser Asp Leu Ala Ile Phe
50             165                 170                 175
51 Ile Ala Val Ile Ile Leu Ser Gly Asp Arg Pro Gly Leu Leu Asn Val
52             180                 185                 190
```

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```
53 Lys Pro Ile Glu Asp Ile Gln Asp Asn Leu Leu Gln Ala Leu Glu Leu
54         195             200             205
55 Gln Leu Lys Leu Asn His Pro Glu Ser Ser Gln Leu Phe Ala Lys Leu
56     210             215             220
57 Leu Gln Lys Met Thr Asp Leu Arg Gln Ile Val Thr Glu His Val Gln
58 225             230             235             240
59 Leu Leu Gln Val Ile Lys Lys Thr Glu Thr Asp Met Ser Leu His Pro
60             245             250             255
61 Leu Leu Gln Glu Ile Tyr Lys Asp Leu Tyr
62         260             265
65 <210> SEQ ID NO: 2
66 <211> LENGTH: 505
67 <212> TYPE: PRT
68 <213> ORGANISM: Homo sapiens
70 <220> FEATURE:
72 <400> SEQUENCE: 2
73 Met Gly Glu Thr Leu Gly Asp Ser Pro Ile Asp Pro Glu Ser Asp Ser
74 1             5               10              15
75 Phe Thr Asp Thr Leu Ser Ala Asn Ile Ser Gln Glu Met Thr Met Val
76         20              25              30
77 Asp Thr Glu Met Pro Phe Trp Pro Thr Asn Phe Gly Ile Ser Ser Val
78         35              40              45
79 Asp Leu Ser Val Met Glu Asp His Ser His Ser Phe Asp Ile Lys Pro
80     50              55              60
81 Phe Thr Thr Val Asp Phe Ser Ser Ile Ser Thr Pro His Tyr Glu Asp
82 65              70              75              80
83 Ile Pro Phe Thr Arg Thr Asp Pro Val Val Ala Asp Tyr Lys Tyr Asp
84             85              90              95
85 Leu Lys Leu Gln Glu Tyr Gln Ser Ala Ile Lys Val Glu Pro Ala Ser
86         100             105             110
87 Pro Pro Tyr Tyr Ser Glu Lys Thr Gln Leu Tyr Asn Lys Pro His Glu
88         115             120             125
89 Glu Pro Ser Asn Ser Leu Met Ala Ile Glu Cys Arg Val Cys Gly Asp
90     130             135             140
91 Lys Ala Ser Gly Phe His Tyr Gly Val His Ala Cys Glu Gly Cys Lys
92 145             150             155             160
93 Gly Phe Phe Arg Arg Thr Ile Arg Leu Lys Leu Ile Tyr Asp Arg Cys
94             165             170             175
95 Asp Leu Asn Cys Arg Ile His Lys Lys Ser Arg Asn Lys Cys Gln Tyr
96         180             185             190
97 Cys Arg Phe Gln Lys Cys Leu Ala Val Gly Met Ser His Asn Ala Ile
98         195             200             205
99 Arg Phe Gly Arg Met Pro Gln Ala Glu Lys Glu Lys Leu Leu Ala Glu
100    210             215             220
101 Ile Ser Ser Asp Ile Asp Gln Leu Asn Pro Glu Ser Ala Asp Leu Arg
102 225             230             235             240
103 Ala Leu Ala Lys His Leu Tyr Asp Ser Tyr Ile Lys Ser Phe Pro Leu
104             245             250             255
105 Thr Lys Ala Lys Ala Arg Ala Ile Leu Thr Gly Lys Thr Thr Asp Lys
```

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PATENT APPLICATION: US/10/559,157   TIME: 15:49:00

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Output Set: N:\CRF4\12162005\J559157.raw

```
106              260              265              270
107 Ser Pro Phe Val Ile Tyr Asp Met Asn Ser Leu Met Met Gly Glu Asp
108         275              280              285
109 Lys Ile Lys Phe Lys His Ile Thr Pro Leu Gln Glu Gln Ser Lys Glu
110     290              295              300
111 Val Ala Ile Arg Ile Phe Gln Gly Cys Gln Phe Arg Ser Val Glu Ala
112 305              310              315              320
113 Val Gln Glu Ile Thr Glu Tyr Ala Lys Ser Ile Pro Gly Phe Val Asn
114             325              330              335
115 Leu Asp Leu Asn Asp Gln Val Thr Leu Leu Lys Tyr Gly Val His Glu
116         340              345              350
117 Ile Ile Tyr Thr Met Leu Ala Ser Leu Met Asn Lys Asp Gly Val Leu
118         355              360              365
119 Ile Ser Glu Gly Gln Gly Phe Met Thr Arg Glu Phe Leu Lys Ser Leu
120     370              375              380
121 Arg Lys Pro Phe Gly Asp Phe Met Glu Pro Lys Phe Glu Phe Ala Val
122 385              390              395              400
123 Lys Phe Asn Ala Leu Glu Leu Asp Asp Ser Asp Leu Ala Ile Phe Ile
124             405              410              415
125 Ala Val Ile Ile Leu Ser Gly Asp Arg Pro Gly Leu Leu Asn Val Lys
126         420              425              430
127 Pro Ile Glu Asp Ile Gln Asp Asn Leu Leu Gln Ala Leu Glu Leu Gln
128         435              440              445
129 Leu Lys Leu Asn His Pro Glu Ser Ser Gln Leu Phe Ala Lys Leu Leu
130     450              455              460
131 Gln Lys Met Thr Asp Leu Arg Gln Ile Val Thr Glu His Val Gln Leu
132 465              470              475              480
133 Leu Gln Val Ile Lys Lys Thr Glu Thr Asp Met Ser Leu His Pro Leu
134             485              490              495
135 Leu Gln Glu Ile Tyr Lys Asp Leu Tyr
136         500              505
```

VERIFICATION SUMMARY   DATE: 12/16/2005
PATENT APPLICATION: **US/10/559,157**   TIME: 15:49:01

Input Set : **A:\43072-0002PC.TXT**
Output Set: **N:\CRF4\12162005\J559157.raw**

L:16 M:270 C: Current Application Number differs, Replaced Current Application No
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date